

<b>Notice of Allowability</b>	<b>Application No.</b> 09/672,236	<b>Applicant(s)</b> BECKER, DOUGLAS R.	
	<b>Examiner</b> James A Thompson	<b>Art Unit</b> 2624	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 30 December 2004.
2. ☒ The allowed claim(s) is/are 1-26.
3. ☒ The drawings filed on 27 September 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

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| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
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**DETAILED ACTION**

***Response to Arguments/Reasons for Allowance***

1. Applicant's arguments, see pages 8-9, filed 30 December 2004, with respect to the rejections of claims 24 and 26 under 35 USC §103(a) and the objections to claims 1-23 and 25 on formal matters, have been fully considered and are persuasive.

On page 8, lines 21-22 of Applicant's arguments, Applicant states that "the triangles and quadrilaterals in Yamashita are overlapping polygons (FIG. 3, FIG. 6, FIGS. 8-10)." With respect, this is simply not true. The meshes that are created and shown in figures 3, 6 and 8-10 of Yamashita do not overlap, as can clearly be seen. Applicant has not demonstrated where in fact they do overlap in said figures. In fact, as is well-known in the art, for a computer mesh of an object to be useful in computational physics problems, overlapping is unacceptable since boundary conditions at the edges of the triangles and/or quadrilaterals, such as Neumann and Dirichlet boundary conditions in electromagnetism, are required for computations to be properly performed.

On page 8, lines 15-18 of Applicant's arguments, Applicant states that "Yhann does not teach or suggest 'sequentially forming trap polygons for color transition edges in a sequence of color transition edges in a digital document, each trap polygon in sequence having its final form before any subsequent polygon is formed, ...' as recited in claim 24. On page 8, lines 23-27 of Applicant's arguments, Applicant argues that "Yamashita does not cure the deficiencies of Yhann in that nothing in Yamashita teaches or suggests 'sequentially forming trap polygons for color transition edges in a sequence of color

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transition edges in a digital document, each trap polygon in sequence having its final form before any subsequent polygon is formed, ...' as recited in claim 24. Further, on page 9, lines 1-2 of Applicant's arguments, Applicant states that "[c]laim 26, as amended, recites limitations corresponding to those of claim 24 ...". Examiner agrees with Applicant's arguments on these points. Further, Examiner has not found prior art that would overcome these limitations. Therefore, the rejections under 35 USC §103(a) of claims 24 and 26 have been withdrawn. Claims 24 and 26 are now also considered allowable.

Examiner notes the amendments to the claims to correct formal matters. Examiner further corrects one minor item below in an Examiner's Amendment. Therefore, the objections to claims 1-23 and 25 have been withdrawn.

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EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows: In claim 1, line 8, change "shaping the trap polygon includes" to "shaping the trap polygon includes:".

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James A Thompson whose telephone number is 703-305-6329. The examiner can normally be reached on 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David K Moore can be reached on 703-308-7452. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

James A. Thompson  
Examiner  
Art Unit 2624

JAT  
19 January 2005



THOMAS D.  
~~DAVID~~ LEE  
PRIMARY EXAMINER